

10-3 Practice

Arcs and Chords

In $\odot E$, $m\widehat{HQ} = 48$, $HI = JK$, and $JR = 7.5$. Find each measure.

1. $m\widehat{HI}$

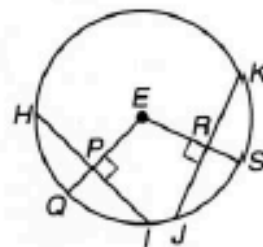
2. $m\widehat{QI}$

3. $m\widehat{JK}$

4. HI

5. PI

6. JK



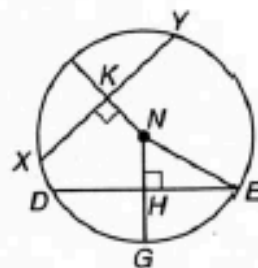
The radius of $\odot N$ is 18, $NK = 9$, and $m\widehat{DE} = 120$. Find each measure.

7. $m\widehat{GE}$

8. $m\angle HNE$

9. $m\angle HEN$

10. HN



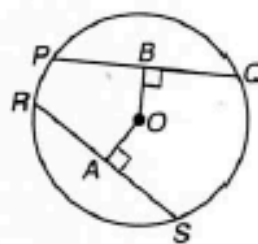
The radius of $\odot O = 32$, $\widehat{PQ} \cong \widehat{RS}$, and $PQ = 56$. Find each measure.

11. PB

14. BQ

12. OB

16. RS



13. **MANDALAS** The base figure in a mandala design is a nine-pointed star. Find the measure of each arc of the circle circumscribed about the star.

